SERVICE MANUAL

FISHER

MT-6310

DC Servo
Stereo Turntable
(EUROPE)

The first name in high fidelity

Nominal Specifications for Information only.

TURNTABLE	MT-6310
Motor	DC Servo
Drive	Belt
Wow and Flutter (WRMS)	0.04%
Rumble (DIN 45539B)	−68 dB
Speed Variation	±0.8%
Speed Control Range	±3%
Tracking Force Range	0.6-3.5 grams
Platter Diameter	314 mm
Platter Weight	1.0 kg
Strobo Light	Yes
Record Speed Selector	33/45 rpm
Auto Function	
Stop	Yes
Reject	Yes
Manual Function	
Start	Yes
Stop	Yes
Tone Arm Data	
Resonance	<10 Hz
Balance Adjustment	Counter-Weight
Effective Length	222 mm
Shape	S-Form
Bearing-Type	
Horizontal	Thrust
Friction Sensitivity	0.2 gram
Vertical	Pivot
Friction Sensitivity	0.25 gram
Max. Tracking Error	±2.0°
Anti Skate Control	Adjustable
Cueing	Viscous Damped
Overhang Indicator	Yes
GENERAL	
Power Requirements	AC: 110/220V 50/60 Hz
Dimensions (W x D x H)	440x380x138 mm
Weight (approx.)	4.6 kg

Because Fisher products are subject to continuous improvement, Fisher reserves the right to modify, change, or alter any design or specifications without notice and without incurring any obligation. Fisher reserves the right to make changes and improvements upon its products without any obligation to install such changes upon any of its products previously manufactured.

MOUNTING THE CARTRIDGE

1. Carefully mount cartridge according to instructions given by the cartridge manufacturer. Do not tighten mounting screws as yet.
2. Connect the four colored wires found in the cartridge shell to the cartridge terminals. It is important that connections are made correctly. That is, colors of wires and cartridge terminals must be matched.
   Red = Right output
   Green = Right ground
   White = Left output
   Blue = Left ground
3. Plug cartridge shell into tone arm and tighten cartridge shell ring by turning it counterclockwise (as seen from shell side).
4. Move the tone arm over the overhang indicator and adjust cartridge until the stylus point is located exactly above the overhang indicator. Fix cartridge in this location by tightening mounting screws.

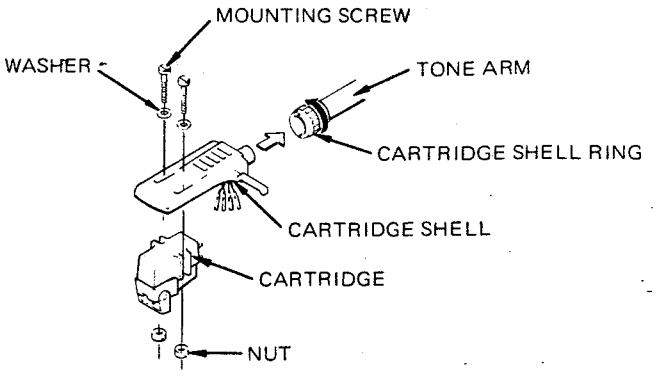


Fig. 1

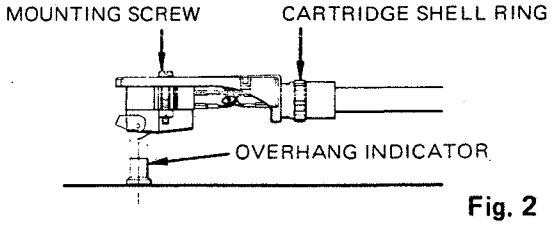


Fig. 2

PICK-UP ARM HEIGHT ADJUSTMENT

When using the cueing lever or the auto-return, perform the pick-up arm height adjustments by turning each adjusting screw as illustrated in Fig. 3.
Turn the adjusting screw clockwise to raise the Pick-up Arm, and counter-clockwise to lower it.

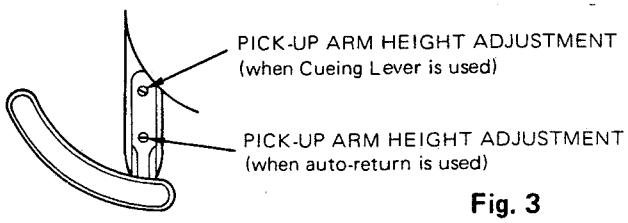
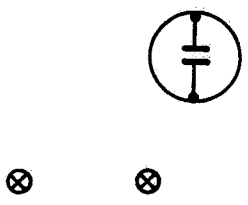


Fig. 3

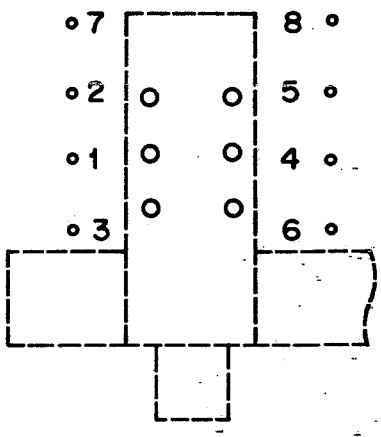
PICK-UP RISING POSITION ADJUSTMENT (Return Point)

Change the return point either to inward or outward by turning the return adjusting cum (37).

NEON LAMP P.C.BOARD

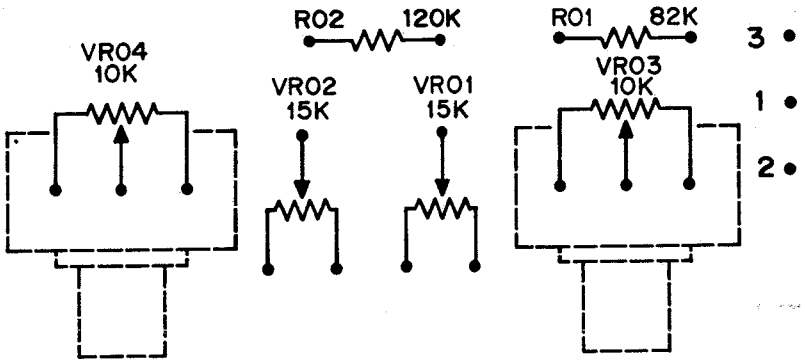


SPEED SELECT P.C.BOARD



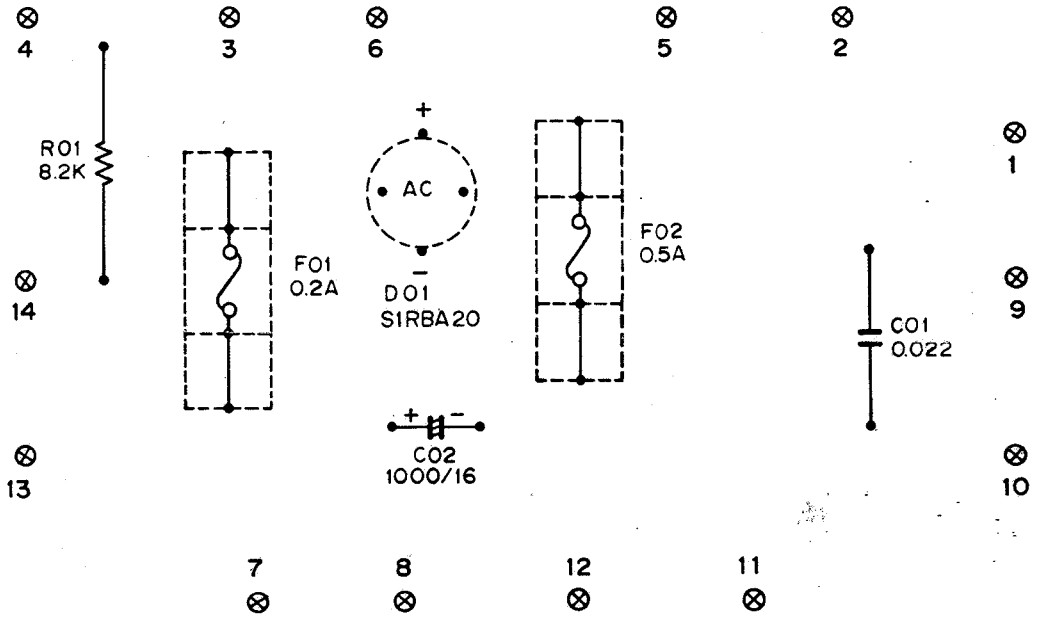
PUSH SW.

SPEED CONTROL P.C.BOARD

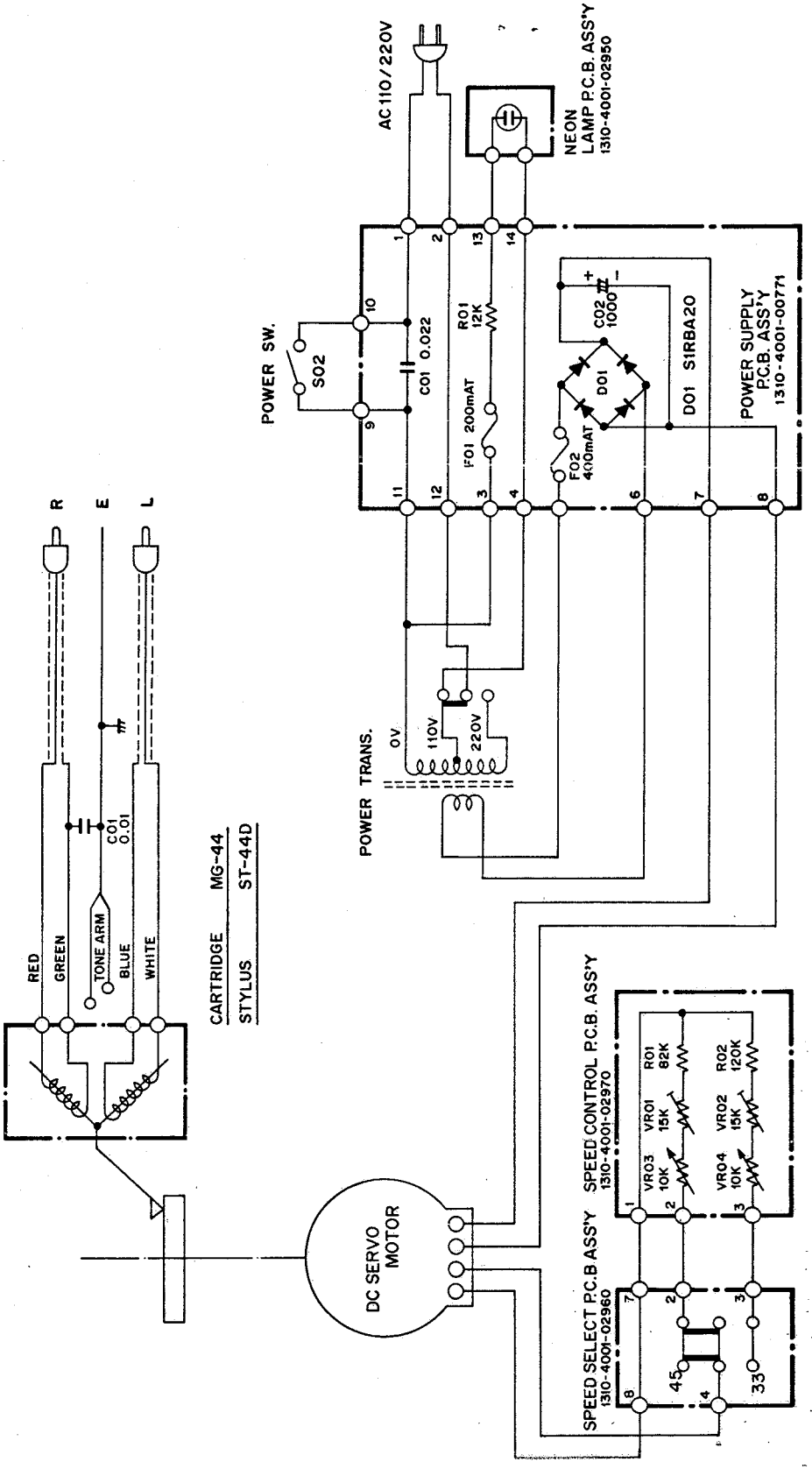


33 —— SPEED ADJUST —— 45

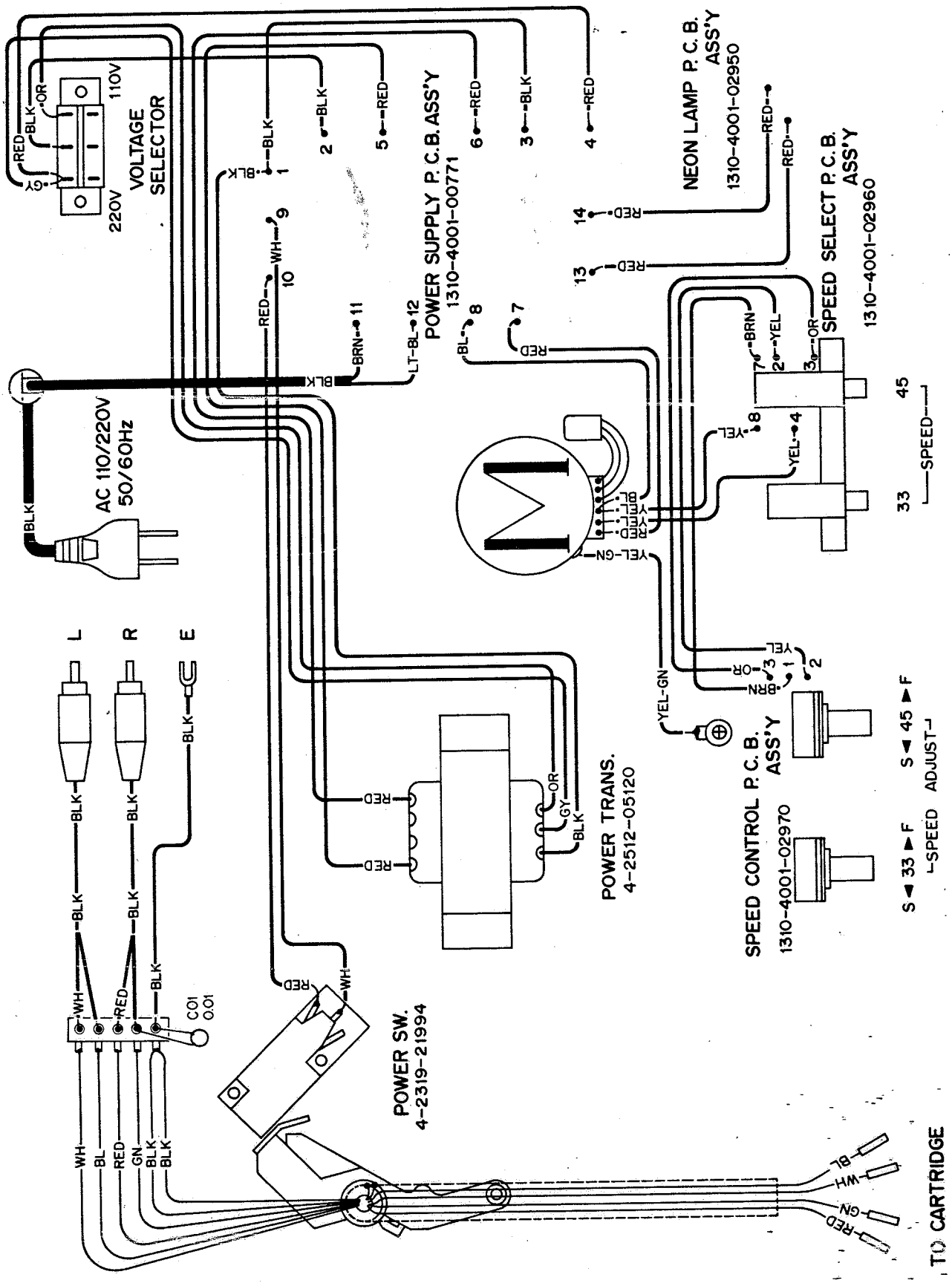
POWER SUPPLY P.C.BOARD



SCHEMATIC DIAGRAM



POINT TO POINT WIRING DIAGRAM



PARTS LIST

PACKING PARTS LIST

Ref. No.	Parts Number	Description
	131 6 1139 79400	Box Corrugate-EXP
	131 6 2119 01362	Bag Polyethylene-EXP (Cabinet)
	131 6 2119 01690	Bag Polyethylene-EXP (Lid)
	131 6 2519 01300	Bag Polyethylene Ind.
	131 6 3009 27520	Pad (Lid Top)
	131 6 3009 29180	Pad (Right)
	131 6 3009 29190	Pad (Left)

ACCESSORIES PARTS LIST

Ref. No.	Parts Number	Description
	131 6 2719 10801	Bag Fan
	131 6 4119 77700	Explanatory Booklet
	131 6 4519 15700	Guarantee Certificate
	134 2 2901 10700	Adapter EP

CABINET PARTS LIST

Ref. No.	Parts Number	Description
1	131 0 2022 90220	Lid Assy
2	131 2 2904 13000	Pad Lid
3	131 0 2002 15000	Hinge Assy (Lid)
4	131 2 1101 41800	Cabinet
5	131 2 1105 24500	Plate Bottom
6	131 0 1003 13500	Leg (Plate Bottom)
7	131 2 1310 30217	Name Plate (Cabinet Rear)
8	131 2 1601 58800	Knob (Speed Select)
9	131 2 1601 58900	Knob (Speed Adjust)
10	131 2 1601 59000	Knob (Reject)
11	131 2 3305 26800	Front Panel
12	131 2 6111 21300	Bushing (SR-4P-4)(AC Cord)
13	131 2 6308 18101	Filter (Strobe Filter)
14	134 2 5102 13900	Spring Mounting (Leg, Left-Rear)
15	134 2 5102 13901	Spring Mounting (Leg)
16	134 2 5102 13902	Spring Mounting (Leg, Right-Front)
17*	131 2 3608 11000	Cramp Wire (Phono Cord)
*	131 2 4202 12900	Flange Nut 6 – 4
*	101 3 1103 01402	Screw, Pan Head 3.0x14 6 – 4
*	101 3 1504 01002	Screw, Truss Head 4.0x10 3 – 4
*	131 2 4201 19500	Screw (Screw, Button Head Tapping B-TITE 3) 13 – 1
*	131 2 4201 19502	Screw (Screw, Button Head Tapping B-TIPE 3) 74 – 1, 11 – 5
*	131 2 4201 19504	Screw (Screw, Button Head Tapping B-TITE 3) 17 – 1
*	131 2 4201 19505	Screw (Screw, Button Head Tapping B-TITE 3) 5 – 11
*	134 2 4203 02700	Washer 6 – 4
*	131 2 4203 83202	Washer, Plain 3.2x10x1.0 13 – 1, 11 – 5
21	134 2 2101 13800	Unit Plate

TURNTABLE PARTS LIST

Ref. No.	Parts Number	Description
*	131 2 4201 19502	Screw (Screw, Button Head Tapping B-TIPE 3) 21 – 9
22	131 2 3610 10401	Lug Egg Like (Unit Plate)
23	131 2 4220 10600	Ring Snap (Spindle Turntable)
24	134 2 6101 12501	Turntable
25	134 2 6107 11400	Spindle Turntable (Unit Plate)
26	134 2 6302 10800	Belt (Turntable)
27	134 0 6022 12200	Plate PU Fix Assy
28	134 0 6030 11301	Gear Cycling Assy
28-1	134 2 4110 11100	Gear Cycling
28-2	134 2 4122 11800	Trip
28-3	134 2 4122 12000	Trip
29	134 0 6035 11600	Return Plate Assy
30	134 2 2403 21800	Angle Mount (Reject Angle)
31	134 2 4108 21000	Plate (Switch Plate)
32	134 2 4108 24500	Plate (Reject Angle)
33	134 2 4112 01200	Rod (Reject Rod)
34	134 2 4120 18200	Lever (Reject Lever)
35	134 2 4120 18300	Lever (Pick-up)
36	134 2 4123 19100	Arm (Return Arm)
37	134 2 4124 12200	Cum (Return Adjust)
38	134 2 5101 20500	Spring (Pick-up)
39	134 2 5101 24600	Spring (Return Plate)
40	134 2 5101 28000	Spring (Reject)
41	134 2 5101 30800	Spring (Switch Plate)
*	131 2 4220 10201	Ring Snap 28 – 1
*	101 3 1103 00603	Screw, Pan Head 3.0x6 27 – 2
*	131 2 4201 21100	Screw 37 – 1
*	131 2 4201 19501	Screw (Screw, Button Head Tapping B-TITE 3) 32 – 2
*	131 2 4201 19502	Screw (Screw, Button Head Tapping B-TIPE 3) 33 – 2
*	131 2 4201 13511	Screw (TAPTITE) 3x14 31 – 1
*	131 2 4203 17501	Wave Washer 37 – 1
42	134 0 6031 11601	Armrest Assy
42-1	134 2 3301 12701	Armrest
42-2	134 2 3308 10800	Holder Pick-up
43	134 0 6042 10700	Plate Lifting Assy
44	134 2 1601 18200	Knob (Cueing)
45	134 2 3301 13500	Armrest
46	134 2 4108 24400	Plate (Cueing Plate)
47	134 2 4116 11800	Spindle Lifting
48	134 2 4120 18400	Lever (Cueing)
49	134 2 4121 12000	Guide (Cueing Lever)
50	134 2 4201 13200	Screw M3x16 (Support Arm Adj.)
51	134 2 5101 24700	Spring (Spindle Lifting)
52	134 2 5103 10900	Spring Plate (Cueing Spring)
*	104 3 1102 60000	Nut, Hex Head 1 2.6 42 – 1
*	108 3 1102 00000	Ring E 2.0 47 – 1
*	131 2 4201 20703	Screw (Screw, Button Head Tapping B-TYTE 3) 45 – 1

PARTS LIST

TURNTABLE PARTS LIST

Ref. No.	Parts Number	Description
*	131 2 4201 19501	Screw (Screw, Button Head Tapping B-TITE 3) 52 – 1
*	105 3 1202 60003	Washer, Spring 2.6 42 – 1
53	4 1579 21261	Pick-up Assy
53-1	4 1579 26910	Cartridge (MG-44)
53-2	4 1579 29340	Pick-up Stylus (ST-44D)
53-3	134 0 4001 07701	Tone Arm Assy
53-4	134 0 4002 12200	Arm Head Assy
53-5	134 0 4003 01900	PU Weight Assy
53-6	134 0 4004 02701	Arm Assy
53-7	134 2 4201 11314	Screw 2.6x13
53-8	134 2 4202 11301	Nut
53-9	134 2 4203 01800	Washer
54	131 0 4004 14402	Wire Shield Assy (Phono P.C.B.)
55	131 2 6103 14700	Cover Shield
56	134 2 1401 00200	Ring Decorate (PU Base)
57	134 2 1404 12800	Housing (Tone Arm Mousing)
58	134 2 1601 18100	Knob (IFC Knob)
59	134 2 2106 11500	Housing (Tone Arm Housing)
60	134 2 2403 21900	Angle Mount (Pick-up Thrust)
61	134 2 4117 10600	Support Shaft (PU Shaft Thrust)
62	134 2 4124 12100	Cam (IFC Cam)
63	134 2 5101 30700	Spring (IFC Spring)
*	104 3 1203 00002	Nut, Hex Head 2 3.0 57 – 1
*	131 2 4220 10700	Ring Snap 4.9x0.6 61 – 1
*	131 2 4201 20800	Screw 2.6x6 58 – 1
*	131 2 4201 20802	Screw (Screw, Button Head Tapping B-TITE) 59 – 2
*	131 2 4201 24405	Cap Screw 57 – 1
*	102 3 2203 00601	Screw, Button Head Tapping 3.0x6 60 – 2, 55 – 1
*	102 3 2203 01001	Screw, Button Head Tapping 3x10 73 – 1
64	4 2312 01020	Switch Slide (Cabinet Rear)
65	4 2319 21994	Switch Micro (Power Switch)
66	4 2432 00070	Power Cord
67	131 2 7104 00101	Plate Pad Switch (Slide Switch)
68	134 0 5011 01300	Motor Assy
69	134 2 2403 22000	Angle Mount (Front Panel)
*	104 3 1203 00002	Nut, Hex Head 2 3.0 70 – 2
*	131 2 4201 24203	Screw (SEMS) M2.6x10 68 – 3
*	101 3 1103 00603	Screw, Pan Head 3.0x6 65 – 2
*	101 3 1103 00808	Screw, Pan Head 3.0x8 64 – 2
*	131 2 4201 24307	Screw (SEMS) 3x20 70 – 2
*	131 2 4201 19502	Screw (Screw, Button Head Tapping B-TIPE 3) 77 – 1
*	131 2 4201 19505	Screw (Screw, Button Head Tapping B-TITE 3) 65 – 2
*	131 2 4201 19503	Screw (Screw, Button Head Tapping B-TITE 3) 69 – 2
70	4 2512 05120	Power Transformer
71	134 2 6102 15201	Mat Turntable
72	134 2 6103 11501	Plate Decorate T.T
73	4 2372 00260	Terminal Lug 1-4PL
74	C1HYDZ103A	Ceramic 0.01 μF 50V +80,–20%
75*	131 0 4001 02950	Neon Lamp P.C.B. Assy
	4 6129 20795	Neon Lamp (100V 5mA)
76*	131 0 4001 02960	Speed Select P.C.B. Assy
	4 2312 01310	Switch Push 2key
77*	131 0 4001 02970	Speed Control P.C.B. Assy
VR01,02	4 2222 00710	VR 15k-B
VR03,04	4 2222 01130	VR 10k-Bx1
	RESISTORS	
R01	R2EDPJ823A	Carbon 82k 1/4W ±5%
R02	R2EDPJ124A	Carbon 120k 1/4W ±5%
78*	131 0 4001 00771	Power Supply P.C.B. Assy
	4 2359 23060	Socket
	4 2372 00060	Receptacle
F01	4 2349 20960	Fuse 0.2A
F02	4 2349 20131	Fuse 0.4A
	CAPACITORS	
C01	C2EHRM223A	Metallized Pepar 0.022 μF 250V ±20%
C02	C1CRE-108A	Electrolytic 1000 μF 16V
	SEMICONDUCTORS	
D01	DDD-S1RBA20	Diode Bridge 1A
	RESISTORS	
R01	R3AXBJ123A	Oxide Metal Film 12k ohm 1W ±5%

Note: * Asterisk indicates not a service part. The numbers for screws, nuts, and washers, shown in Description, correspond with Ref. Nos. of the parts using these screws, nuts and washers.

Example: 3 – 2

3 means	**Ref. No.**
2 means	**Q'ty.**

EXPLODED VIEW OF CABINET & TURNTABLE